Land use and soil parameters
Posted by mrakovan - 2007/12/28 18:27

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My land use layer was from mrlc so I loaded the mrlc.lut and my soil layer was from the soil mart with
MUKEY so I loaded the chorizon, chtexturegrp and component tables from SSURGO.mdb. I got all zeros
in my simulations. Any idea? I have one value in the land cover layer, 95 which is not listed in the
mrlc.lut does that cause a problem?

Thanks for any help!

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Re:Land use and soil parameters
Posted by isburns - 2007/12/28 23:17

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The missing 95 value is not likely the cause of the zeros in the simulation. It is more likely that the
chorizon, chtexturegrp, and component tables were not imported properly. Try using the Import macro in
the Access database that came with the soils data to import all the tables instead of selectively importing
the chorizon, chtexturegrp, and component tables.

Shea

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Re:Land use and soil parameters
Posted by mrakovan - 2007/12/31 16:39

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Hi,

Thanks for your response. I tried the import in Access and I could see the soil tables now have numbers.
I then loaded them onto the program and I am still getting zeros. I tried a number of other soil datasets
and still no luck. On top of that, now under the land use and soil parameters>soil components, it does
not even recognize the soil shapefile even though it is loaded. I don't know what else to do.

Thank again for any suggestions!

Monica

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Re:Land use and soil parameters
Posted by isburns - 2007/12/31 18:59

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You mention that you're loading them (the soil tables) into the program. What do you mean by this?
You're not actually supposed to add the tables or the database to the project itself.

When you select a soils layer with an MUKEY field in it and click Continue, AGWA2 looks in the AGWA2/datafiles/ssurgo directory for an Access database (MDB file) with the same name as the soils layer. If this Access database with the same name doesn't exist in that location, you are prompted to locate the Access database. When you do, AGWA2 copies the Access database you specify into the the AGWA2/datafiles/ssurgo directory and renames it to the same name as the soils layer. That way, you only have to manually locate the Access database once per soils layer.

The downside of this is what you're experiencing. You probably specified the Access database when you hadn't imported the tables into the database yet. You need to either: import the tables into the database with the same name as your soils layer that is located in the AGWA2/datafiles/ssurgo directory; or, delete the database in the AGWA2/datafiles/ssurgo directory so that you will be asked to specify the database again and you can select the one with the imported tables.

I'm not sure why it wouldn't recognize the soil shapefile. It should recognize it as a valid soils layer as long as it has an MUKEY, MUID, or SNUM in it. Did you mess around with the soils layer at all?

Shea

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Re:Land use and soil parameters
Posted by mrakovan - 2007/12/31 20:41

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Shea, thanks for all your help, I followed your instructions and I got the simulations performed! You saved me a lot of headache and fustration for the New Year holiday. Best Wishes!

Monica

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Re:Land use and soil parameters
Posted by Nicholas Hayden - 2008/01/05 02:33

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I am trying to run the Land Cover and Soils parameterization with a SSURGO database, but I am getting a "Weighting the soil intersection failed". Everything is in the proper coordinate system and the SSURGO database should have the proper tables imported. Not sure what I am doing wrong...

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Re:Land use and soil parameters
Posted by isburns - 2008/01/16 18:20

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Nicholas,
See your other post.

Shea

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Re:Land use and soil parameters
Posted by mrakovan - 2008/01/16 21:33

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Hi Shea,

I am running AGWA?SWAT for a watershed that is located in three counties and over 1000 square km. I have no problem appending the soil attribute tables but how about the databases?

Thanks,

Monica

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Re:Land use and soil parameters
Posted by isburns - 2008/01/16 21:36

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Hi Monica, I didn't realize you were still having trouble. What's happening?

Shea

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Re:Land use and soil parameters
Posted by mrakovan - 2008/01/16 21:39

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Shea,

I got Kineros to run so I thought I tried SWAT for another site. The difference is that this site is much bigger and is located in 3 counties so I am having trouble with the soil parameters again.

Monica

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Re:Land use and soil parameters
Posted by isburns - 2008/01/16 21:48

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Since you're running it over three counties, you need to import the tables for all three counties. Run the Import macro and import each counties tabular data. You'll be presented with some dialogs because some of the values in the tables will overlap, but that is normal. They should say something similar to

"Microsoft Office Access was unable to append all the data to the table.

The contents of fields in record(s) were deleted, and record(s) were lost due to key violations...."

Of course the number of records (x or y) deleted or lost will vary for the different tables.

Shea

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Re:Land use and soil parameters
Posted by mrakovan - 2008/02/01 21:40

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Hi Shea,

I got the three tabular data sets imported (separately) but am having trouble making them into one database. For example, I tried importing the tables and the tables with the same name became (component and component1) instead of one table. I have the spatial files appended OK.

Thanks again.

Monica

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Re:Land use and soil parameters
Posted by isburns - 2008/02/04 19:18

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Are we talking about the same Import? I'm referring to the macro in the Access Database (see attached). How are you importing the tables, and into what?

Shea
http://www.tucson.ars.ag.gov/agwa/images/fbfiles/images/ssurgo___import.png

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